

**Course Code: MTH201**

**Course Description:** This course includes the study of logical reasoning, algebraic applications, and characteristics of geometric forms such as points, lines, planes, angles, polygons and solids. Students learn by measuring, experimenting, verifying and reasoning.

**Outline:** Geometry 201

Unit 1: Language of Geometry

Unit 2: Logic and Proof

Unit 3: Parallels Lines and Planes

Unit 4: Congruent Triangles

Unit 5: Triangles and Inequalities

Unit 6: Quadrilaterals

**Course Objectives:**

- Logical arguments and proofs
- Lines and angles
- Two- and three-dimensional figures
- Geometry in the coordinate plane
- Geometric transformations
- Reasoning, problem solving and communication

**Number/Description of Assignments, Projects, Activities, etc:**

There are 6 assignments, 18 quizzes, 6 exams and 7 discussion questions.

**Materials: All course materials have been approved for district use.**

Timelines & Methods for evaluating student progress: Students are expected to log in daily and submit assignments on a weekly basis. Progress will be evaluated each month based progress towards assignment completion of assignments.

This course meets state and district graduation requirements in the area of Algebra.

Weekly contact will be conducted through a submitted assignment with instructor feedback. Students who do not submit an assignment are expected to email or call his/her instructor.

Each student is expected to spend a minimum of five hours per week on this course. Additional hours may be necessary to complete the course successfully.

Beginning & end date